RGB average	K	Output
RGB average $\leqq$ K	K $\leqq$ S4	K
RGB average $>$ K	K $\leqq$ S4	K
RGB average $\leqq$ K	S4 $<$ K $<$ S5	K
RGB average $>$ K	S4 $<$ K $<$ S5	RGB $\pm$ K average
RGB average $\leqq$ K	S5 $\leqq$ K	K
RGB average $>$ K	S5 $\leqq$ K	K

FIG. 11

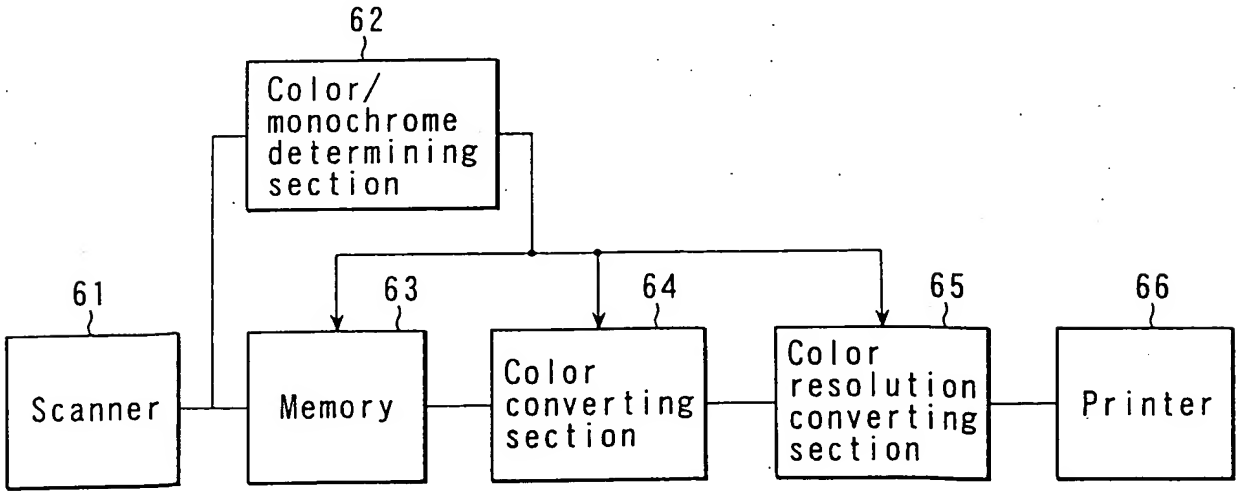

FIG. 13